



MATERIALS TESTING FIELD & LABORATORY TECHNICIAN

Materials Testing Field or Laboratory Technicians will be responsible for testing and inspecting various construction materials such as soils, aggregates, asphalt, and concrete for quality control/quality assurance purposes. They will also be responsible for preparing field and lab inspection and testing reports and providing technical support for construction quality control personnel.

RESPONSIBILITIES

- Conducting the following laboratory and field tests:
 - Moisture-density relation of soil (Proctor)
 - Aggregate gradation/sieve analysis testing per ASTM/ATT standards
 - Liquid and plastic limits of soils
 - Asphalt oil content by ignition method
 - Marshal density
 - Moisture and density of soil using nuclear gauge
 - Dynamic cone penetrometer testing (DCP)
 - Sampling and testing fresh concrete (slump, air content, temperature and density)
- Sampling soils, aggregate and asphalt per ATT standards
- Complete and submit test and inspection reports in a timely manner
- Entering test data in web based software and MS Excel
- Cleaning, maintaining, and calibrating test equipment
- General laboratory cleaning and maintenance as required
- Ability to work alone or a team member

REQUIREMENTS

- Minimum 2-5 years of relevant experience in materials testing and inspection on heavy civil construction projects or recent graduate from Civil Engineering Program (diploma or degree)
- Civil Engineering Technology diploma or similar experience preferred
- Experience in field density testing using nuclear gauge is highly desired
- Experience in asphalt testing is highly desired
- Proficient in MS Excel and MS Word
- Must have a valid class 5 (or better) driver's licence with clean drivers abstract
- Must be able to communicate well with co-workers
- Must be able to work under pressure
- Must be able to meet all safety requirements and applicable safety policies
- The successful candidate must successfully complete a site pre-access fitness and drug and alcohol test
- Ability to work cooperatively independently and with a team in a fast-paced and complex environment

WORK CONDITIONS

- Able to work long hours and on weekends, including night shifts
- Ability to work outdoors in all weather conditions
- The ability to stand, crouch and kneel for long periods of time
- Manual dexterity and balance for working on scaffolding
- Requires standing and bending over for extensive periods of time; often requires crawling, climbing, grasping, kneeling, squatting and twisting



- Requires working at heights and climbing and descending ladders frequently
- Candidates should be able to lift weight (50 lbs.; able to work on heights)